		Exploring the Ex	treme
		2008 Mathema	
		Content Standa	
Wyoming Mathemat	ics		
Grade K			
Activity/Lesson	State	Standards	
			Students apply estimation and measurement
Finding the Center of			of length to content problems using non-
Gravity Using Rulers	WY	MA.K.MAK.3.1	standard units up to 9 units.
Finding the Center of			Students communicate conclusions from a
Gravity Using Rulers	WY	MA.K.MAK.5.2	set of data. (Which set has more or less?)
		Exploring the Ex	tromo
		2008 Mathema	
		Content Standa	
Wyoming Mathemat	ics		
Grade 1	· -		
Activity/Lesson	State	Standards	
			Students communicate their choice of
			appropriate grade level procedures and
Finding the Center of			results when performing operations in a
Gravity Using Rulers	WY	MA.1.MA1.1.6	problem-solving situation.
			Students apply estimation and measurement
Finding the Center of			of length to content problems using non-
Gravity Using Rulers	WY	MA.1.MA1.3.1	standard units up to 99 units.
			Students apply estimation and measurement
Finding the Center of			of capacity to content problems using non-
Gravity Using Rulers	WY	MA.1.MA1.3.2	standard units.
		Evaloring the Ev	tuoma.
		Exploring the Ex 2008 Mathema	
		Content Stand	
Wyoming Mathemat	ics	Joniem Jiana	
Grade 2			
Activity/Lesson	State	Standards	
.,			Students communicate their choice of
			appropriate grade level procedures and
Finding the Center of			results when performing operations in a
Gravity Using Rulers	WY	MA.2.MA2.1.7	problem-solving situation.
			Students select, use, and communicate
Finding the Center of			organizational methods in problem- solving
Gravity Using Rulers	WY	MA.2.MA2.2.3	situations with 2- and 3- dimensional objects.
			Students apply estimation and measurement
Finding the Center of		B4A 0 B4A 0 0 4	of length to content problems using standard
Gravity Using Rulers	VV Y	MA.2.MA2.3.1	units to the nearest inch.
		Evaloring the Ev	tromo
		Exploring the Ex 2008 Mathema	
		Content Standa	
Wyoming Mathemat	ics	Sometic Stands	4.40
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Grade 3			
Activity/Lesson	State	Standards	
,			Students apply estimation and measurement
			of length to content problems using actual
			measuring devices and express the results
Finding the Center of			in U.S. customary units (inches, feet, and
Gravity Using Rulers		MA.3.MA3.3.1	yards).
Finding the Center of		1017 (.0.1017 (0.0.1	yarao).
Gravity Using Plumb			Students apply knowledge of appropriate
Lines	WY	MA.3.MA3.4.2	grade level patterns when solving problems.
		IVIA.3.IVIA3.4.2	Students make an organized list and break
Changing the Center			· ·
of Gravity Using	14/1/	NAA O NAAO A O	problems into parts as strategies to solve
Moment Arms	WY	MA.3.MA3.1.6	problems.
			Students apply estimation and measurement
			of length to content problems using actual
Changing the Center			measuring devices and express the results
of Gravity Using			in U.S. customary units (inches, feet, and
Moment Arms	WY	MA.3.MA3.3.1	yards).
Changing the Center			Students recognize, describe, create, and
of Gravity Using			extend patterns by using manipulatives,
Moment Arms	WY	MA.3.MA3.4.1	numbers, and graphic representations.
	!	Exploring the Ex	treme
		2008 Mathema	
		Content Stand	ards
Wyoming Mathemat	tics		
Grade 4			
Activity/Lesson	State	Standards	
			Students select, use, and communicate
Finding the Center of			organizational methods in problem-solving
Gravity Using Rulers		MA.4.MA4.2.3	situations appropriate to grade level.
, , , , , , , , , , , , , , , , , , ,			Students select and apply appropriate U.S.
			customary units (half inch, quarter inch, feet,
			and yards) to the estimation and
Finding the Center of			measurement of length in real-world
Gravity Using Rulers		MA.4.MA4.3.1	problems using actual measuring devices.
Gravity Gaing Rulers	VV 1	W/A.4.W/A4.0.1	Students select and apply appropriate U.S.
			customary units (ounces and pounds) to the
			, , ,
Cindina the Contor of			estimation and measurement of weight in
Finding the Center of		NAA A NAA A O O	real-world problems using actual measuring
Gravity Using Rulers		MA.4.MA4.3.2	devices.
Finding the Center of			Students select, use, and communicate
Gravity Using Plumb			organizational methods in problem-solving
Lines	WY	MA.4.MA4.2.3	situations appropriate to grade level.
			Students select and apply appropriate U.S.
			customary units (half inch, quarter inch, feet,
Finding the Center of		1	and yards) to the estimation and
Finding the Center of			• •
Gravity Using Plumb			measurement of length in real-world problems using actual measuring devices.

			Students select and apply appropriate U.S.
			customary units (ounces and pounds) to the
Finding the Center of			estimation and measurement of weight in
Gravity Using Plumb			real-world problems using actual measuring
Lines	WY	MA.4.MA4.3.2	devices.
Finding the Center of			
Gravity Using Plumb			Students apply knowledge of appropriate
Lines	WY	MA.4.MA4.4.2	grade level patterns when solving problems.
Finding the Center of			
Gravity Using Plumb			Students explain a rule given a pattern or
Lines	WY	MA.4.MA4.4.3	sequence.
Changing the Center			Students select, use, and communicate
of Gravity Using			organizational methods in problem-solving
Moment Arms	WY	MA.4.MA4.2.3	situations appropriate to grade level.
			Students select and apply appropriate U.S.
			customary units (half inch, quarter inch, feet,
Changing the Center			and yards) to the estimation and
of Gravity Using			measurement of length in real-world
Moment Arms	WY	MA.4.MA4.3.1	problems using actual measuring devices.
			Students select and apply appropriate U.S.
			customary units (ounces and pounds) to the
Changing the Center			estimation and measurement of weight in
of Gravity Using			real-world problems using actual measuring
Moment Arms	WY	MA.4.MA4.3.2	devices.
			Students recognize, describe, extend,
Changing the Center			create, and generalize patterns by using
of Gravity Using			manipulatives, numbers, and graphic
Moment Arms	WY	MA.4.MA4.4.1	representations.
	E	│ Exploring the Ex	treme
		2008 Mathema	tics
		Content Stand	ards
Wyoming Mathemat	ics		
Grade 5			
Activity/Lesson	State	Standards	
			Students describe, draw, and classify two-
			dimensional geometric figures such as
Jet Propulsion	WY	MA.5.MA5.2.1	triangles, quadrilaterals, and circles.
			Students select, use, and communicate
			organizational methods in problem-solving
Jet Propulsion	WY	MA.5.MA5.2.4	situations appropriate to grade level.
			Students select, use, and communicate
			organizational methods in problem-solving
Vectoring	WY	MA.5.MA5.2.4	situations appropriate to grade level.
			Students demonstrate computational fluency
			with basic facts for all four operations,
Center of Gravity,			including identifying multiples and factors of
Pitch, Yaw	WY	MA.5.MA5.1.2	designated numbers up to 100.

Activity/Lesson	State	Standards	
Grade 7	1011	<u> </u>	
Wyoming Mathema	aucs		
Myomine Mothers	ntino.	Content Stand	aras
		2008 Mathema	
		Exploring the Ex	
Pitch, Yaw	WY	MA.6.MA6.3.2	pounds, and tons).
Center of Gravity,			the results in U.S. customary units (ounces,
			of weight to content problems and express
,			Students apply estimation and measurement
Center of Gravity, Pitch, Yaw	WY	MA.6.MA6.3.1	of length to content problems and express the results in metric units (centimeters and meters).
-			Students apply estimation and measurement
Vectoring	WY	MA.6.MA6.2.3	problem-solving situations appropriate to grade level.
Topulation		IVII (.O.IVII (O.O.Z.	Students communicate the reasoning used in identifying geometric relationships in
Jet Propulsion	WY	MA.6.MA6.5.2	Students, given a scenario, recognize and communicate the likelihood of events using concepts from probability (i.e., impossible, equally likely, certain) appropriate to grade level.
Jet Propulsion	WY	MA.6.MA6.2.3	Students communicate the reasoning used in identifying geometric relationships in problem-solving situations appropriate to grade level.
Activity/Lesson	State	Standards	Ot alone and a second section is
Grade 6			
Wyoming Mathema	atics		
		Content Stand	
		2008 Mathema	
		Exploring the Ex	trome
Center of Gravity, Pitch, Yaw	WY	MA.5.MA5.3.3	situations using actual measuring devices and express the results in U.S. customary units (teaspoons, tablespoons, cups, pints, quarts, and gallons).
			Students apply estimation and measurement of capacity in real-world problem-solving
Center of Gravity, Pitch, Yaw	WY	MA.5.MA5.3.1	Students apply estimation and measurement of length to content problems using actual measuring devices and express the results in U.S. customary units (parts of inchhalves/fourths, eights inches, feet, yards, and miles).
Center of Gravity, Pitch, Yaw	WY	MA.5.MA5.1.4	when performing number operations in problem-solving situations.
			Students explain their choice of estimation or problem-solving strategies and justify results

Grade 8			
Wyoming Mathem	atics		
		Content Standa	ards
		2008 Mathema	
		Exploring the Ex	
Fuel Efficiency	WY	MA.7.MA7.4.3	Students evaluate algebraic expressions and formulas, using order of operations, given positive integer values for variables.
Fuel Efficiency	WY	MA.7.MA7.3.2	Students apply estimation and measurement of weight to content problems expressing the results in metric units (g, kg).
Fuel Efficiency	WY	MA.7.MA7.3.1	Students apply estimation and measurement of length to content problems and convert within the U.S. customary (in, ft, yd, mi) and within the metric system (mm, cm, m, km).
Fuel Efficiency	WY	MA.7.MA7.1.4	Students explain their choice of estimation and problem- solving strategies and justify results when performing number operations with fractions and decimals in problem-solving situations appropriate to grade level. Students add and subtract fractions and mixed numbers.
Center of Gravity, Pitch, Yaw	WY	MA.7.MA7.3.2	Students apply estimation and measurement of weight to content problems expressing the results in metric units (g, kg).
Center of Gravity, Pitch, Yaw	WY	MA.7.MA7.3.1	Students apply estimation and measurement of length to content problems and convert within the U.S. customary (in, ft, yd, mi) and within the metric system (mm, cm, m, km).
Center of Gravity, Pitch, Yaw	WY	MA.7.MA7.1.4	Students explain their choice of estimation and problem- solving strategies and justify results when performing number operations with fractions and decimals in problem-solving situations appropriate to grade level. Students add and subtract fractions and mixed numbers.
Vectoring	WY	MA.7.MA7.2.3	Students communicate the reasoning used in identifying geometric relationships in problem-solving situations appropriate to grade level.
Jet Propulsion	WY	MA.7.MA7.4.3	Students evaluate algebraic expressions and formulas, using order of operations, given positive integer values for variables.
Jet Propulsion	WY	MA.7.MA7.2.3	Students communicate the reasoning used in identifying geometric relationships in problem-solving situations appropriate to grade level.

Activity/Lesson	State	Standards	
			Students communicate the reasoning used
			in identifying geometric relationships in
			problem-solving situations appropriate to
Jet Propulsion	WY	MA.8.MA8.2.4	grade level.
			Students communicate about the likelihood
			of events using concepts from probability
			such as impossible, equally likely and certain
Jet Propulsion	WY	MA.8.MA8.5.4	appropriate to grade level.
·			Students communicate the reasoning used
			in identifying geometric relationships in
			problem-solving situations appropriate to
Vectoring	WY	MA.8.MA8.2.4	grade level.
			Students select and use the appropriate
			methods, tools, and units to solve problems
			involving angle measure, perimeter,
			circumference, area (including circles), and
Vectoring	WY	MA.8.MA8.3.3	volume of rectangular solids.
J			Students communicate about the likelihood
			of events using concepts from probability
			such as impossible, equally likely and certain
Vectoring	WY	MA.8.MA8.5.4	appropriate to grade level.
			Students explain their choice of estimation
			and problem- solving strategies and justify
Center of Gravity,			results of solutions in problem-solving
Pitch, Yaw	WY	MA.8.MA8.1.3	situations involving rational numbers.
			Students apply estimation and measurement
			of weight/mass to content problems and
Center of Gravity,			convert within U.S. customary and within
Pitch, Yaw	WY	MA.8.MA8.3.1	metric units (mg, g, kg).
			Students explain their choice of estimation
			and problem- solving strategies and justify
			results of solutions in problem-solving
Fuel Efficiency	WY	MA.8.MA8.1.3	situations involving rational numbers.
	1404		Students use geometric formulas including
Fuel Efficiency	WY	MA.8.MA8.2.3	the Pythagorean Theorem.
			Children and continue time of the continue time of time
			Students apply estimation and measurement
			of weight/mass to content problems and
F	M/M		convert within U.S. customary and within
Fuel Efficiency	WY	MA.8.MA8.3.1	metric units (mg, g, kg).
			Students solve one- and two- step linear
F	M/M		equations each with an integer coefficient
Fuel Efficiency	WY	MA.8.MA8.4.2	and integer solutions.
			Studente eveluete electrois everesiana and
Fuel Efficiency	MAX		Students evaluate algebraic expressions and
Fuel Efficiency	WY	MA.8.MA8.4.3	formulas given integer values for variables.